	Application No.	No. Applicant(s)	
Notice of Allowability	09/950,023	0,023 JANSEN ET AL.	
	Examiner	Art Unit	
	Dung X. Nguyen	2638	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R	(OR REMAINS) CLOSED or other appropriate comming GHTS. This application is	in this application. If not includ nunication will be mailed in due	led course. THIS
1. This communication is responsive to <u>12 September 2005</u> .			
2. ☑ The allowed claim(s) is/are <u>1 - 57</u> .			
3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submed.	been received. been received in Application cuments have been receive of this communication to fil ENT of this application.	on No ed in this national stage applicate e a reply complying with the re	quirements
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 	itted. Note the attached EX es reason(s) why the oath o	AMINER'S AMENDMENT or Nor declaration is deficient.	NOTICE OF
 CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers hereto or 2) to Paper No./Mail Date including changes required by the attached Examiner's Paper No./Mail Date ldentifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the 	on's Patent Drawing Revie s Amendment / Comment of .84(c)) should be written on the he header according to 37 C	or in the Office action of the drawings in the front (not the FR 1.121(d).	
 DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT 	SIT OF BIOLOGICAL MAT FOR THE DEPOSIT OF BI	ERIAL must be submitted. OLOGICAL MATERIAL.	Note the
Attachment(s)	5 C N // ()		
 Notice of References Cited (PTO-892) D Notice of Draftperson's Patent Drawing Review (PTO-948) 		nformal Patent Application (PT Summary (PTO-413),	O-152)
3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No.	/Mail Date SAmendment/Comment	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		s Statement of Reasons for Allo	owance
	9. Other	<u>.</u> .	
KENNETH VANDERPU SUPERVISORY PATENT EX	JYE AMINER	DXN 10/12/2005	

3

Art Unit: 2638

Allowable Subject Matter

1. Claims 1 - 57 are allowed. The following is an examiner's statement of reasons for allowance:

Regarding to claim 1, the prior art of record fails to show or render obvious of in a system, including a plurality of transmitters which transmit from at least one of the transmitters first and second complex sequences respectively from two spatially diverse antennas of the at least one transmitter to a mobile device, the method at the mobile device, comprising:

Demodulating the first and second complex sequences to produce demodulated of complex first and second sequences;

Detecting the demodulated first and second complex sequences to produce detected complex first and second sequences by multiplying respectively the demodulated first and second complex sequences with complex conjugates thereof;

Averaging a function of the complex detected first and second sequences to produce an average function; and

Processing the averaged function to detect a time, relative to a system time reference, of at least one peak therein resultant from the transmission of the first and second complex sequences.

Regarding to claim 34, the prior art of record fails to show or render obvious of in a system, including a plurality of transmitters which transmit from at least one of the transmitters first and second complex sequences respectively from two spatially diverse antennas of the at least one transmitter, a mobile device comprising:

A demodulator which demodulates the first and second complex sequences to produce demodulated first and second complex sequences;

A detector which detects the demodulated first and second complex sequences by multiplying respectively the demodulated first and second complex sequences with complex conjugates thereof to produce detected first and second complex sequences;

At least one averaging unit, responsive to the detected first and second sequences, which produces an average function of the detected first and second complex sequences; and

A processor, responsive to the averaged function, which detects a time, relative to a system time reference, of at least one peak therein resultant from the transmission of the first and second complex sequences.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Brandao et al. (US patent 5,563,604) lacks of the step of processing the averaged function to detect a time, relative to a system reference, of at least one peak therein resultant from the transmission of the first and second complex sequences.

Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Brandao et al. (US patent 5,563,604) discloses a weather radar using spectral Gausian envelope discrimination for clutter rejection.

Application/Control Number: 09/950,023

Art Unit: 2638

Contact Information

Page 4

3. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Dung X. Nguyen whose telephone number is (571) 272-3010.

The examiner can normally be reached on Monday through Friday from 8:00 AM to 17:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Mr. Vanderpuye, Kenneth N. can be reached on (571) 272-3078. The fax phone

numbers for this group is (571) 273-3021.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (571) 272-2600.

DXN

October 12, 2005

KENNETH VANDERPUYE
SUPERVISORY PATENT EXAMINER